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PTO/SB/21 (05-03) (modified)
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/731,891
		Filing Date	12/6/00
		First Named Inventor	Steven Teig
		Group Art Unit	2825
		Examiner Name	Thuan Do
Total Number of Pages in This Submission		Attorney Docket Number	SPLX.P0002

Enclosures (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declarations(s) <input type="checkbox"/> Preliminary Amendment <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Request to Rescind Previous Non-Publication Request <input checked="" type="checkbox"/> Information Disclosure Statement and PTO-1449 Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosures (Listed below): Postcard 2 cited references Copy of eIDS along with Fee Transmittal
Remarks:		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm Or Individual name	Gregory Suh, Reg. No. 48,187 of Stattler Johansen & Adeli LLP
Signature	<i>Handwritten signature of Gregory Suh</i>
Date	August 11, 2004

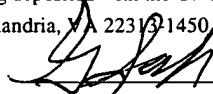
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Typed or printed name	Gregory Suh		
Signature	<i>Handwritten signature of Gregory Suh</i>	Date	August 11, 2004



PATENT
Docket No. SPLX.P0002

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Gregory Suh

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig

Serial No.: 09/731,891

Filing Date: 12/6/2000

For: METHOD AND APPARATUS FOR
CONSIDERING DIAGONAL WIRING IN
PLACEMENT

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the


like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

This Information Disclosure Statement is submitted after receipt of a first Office Action on the merits but before the Final Office Action. Accordingly, a fee is required. However, Applicants note that on this day, August 11, 2004, Applicants have submitted another Information Disclosure Statement in electronic form and paid the requisite fee along with this electronic submission. See attached hard copy of electronic IDS and its fee transmittal. Therefore, Applicants submit that no separate fee is required for this Information Disclosure Statement.

However, in the unlikely event that the Patent Office determines that additional fees, extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-1128** referencing SPLX.P0002. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: August 11, 2004

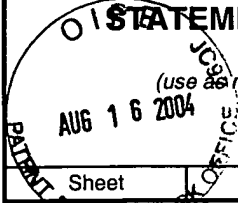
Respectfully submitted,

By: 
Gregory Suh
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> 				Complete if Known	
Application Number		09/731,891			
Filing Date		12/6/2000			
First Named Inventor		Steven Teig			
Group Art Unit		2825			
Examiner Name		Thuan Do			
Attorney Docket Number		SPLX.P0002			
Sheet	1	of	1		

FOREIGN PATENT DOCUMENTS								
Examiner* Initials	Cite No. ¹	Foreign Patent Document			Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known) ⁵				
	1.	JP	02-262354		10-25-1990	Kuribayashi, Mototaka		

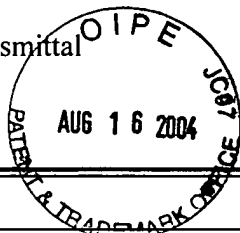
NON PATENT LITERATURE DOCUMENTS				
Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
	2.	CONG J. et al., DUNE – A Multilayer Gridless Routing System, May 2001, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol 20, iss. 5, pp. 633-647.		

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

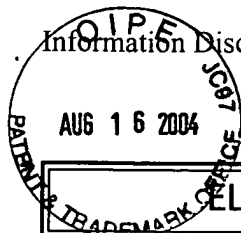
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**FEE TRANSMITTAL**

Electronic Version v08

Stylesheet Version v08.0

Title of Invention	Method and apparatus for considering diagonal wiring in placement								
<p>Application Number: 09/731891 *09/731891*</p> <p>Date: 2000-12-06</p> <p>First Named Applicant: Steven Teig</p> <p>Attorney Docket Number: SPLX.P0002</p> <p>Art Unit: 2825</p> <p>Examiner: Thuan V. Do</p>									
TOTAL FEE AUTHORIZED \$180 Patent fees are subject to annual revisions on or about October 1st of each year.									
BASIC FILING FEE									
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>		Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$						
Submission Of Information Disclosure Stmt Fee	1806	180	180						
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v1.8

Stylesheet Version v1.8.0

Title of Invention	Method and apparatus for considering diagonal wiring in placement
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Application Number: 09/731891 *09/731891*

Confirmation Number: 1036

First Named Applicant: Steven Teig

Attorney Docket Number: SPLX.P0002

Art Unit: 2825

Examiner: Thuan V. Do

Search string: (4777606 or 5224057 or 5519836 or 5699265 or 6038385 or 6085032 or 6088519 or 6154874 or 6240541 or 6349403 or 6366279 or 6442745 or 6505331 or 6601227 or 20030014725 or 20040044979).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4777606	1988-10-11	Fournier			
	2	5224057	1993-06-29	Igarashi et al.			
	3	5519836	1996-05-21	Gawlick et al.			
	4	5699265	1997-12-16	Scepanovic et al.			
	5	6038385	2000-03-14	Scepanovic et al.			
	6	6085032	2000-07-04	Scepanovic et al.			
	7	6088519	2000-07-11	Koford			
	8	6154874	2000-11-28	Scepanovic et al.			
	9	6240541	2001-05-29	Yasuda et al.			
	10	6349403	2002-02-19	Dutta et al.			
	11	6366279	2002-02-04	Gorman	B1		

	12	6442745	2002-08-27	Arunachalam et al.	B1
	13	6505331	2003-01-07	Bracha et al.	B1
	14	6601227	2003-07-21	Trimberger	B1

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20030014725	2003-01-16	Sato et al.	A1		
	2	20040044979	2004-03-04	Aji et al.	A1		

Signature

Examiner Name	Date